

Decision Support Systems (DSS) Catalogue

This is the current UDOT catalogue of Decision Support System tools. According to the National Asset Management principles, a DSS tool is one that:

- 1) Digests a large amount of input data into a much smaller and more focused set of information needing attention
- 2) Converts collected data according to the definitions and norms of engineers and data collection staff, into terms and concepts more familiar and useful to managers
- 3) Provides an economic perspective on facility conditions and calculates performance measures in a form compatible with the agency's objectives, uniformly across all asset types
- 4) Predicts future outcomes of decisions under consideration and,
- 5) Expresses decisions and predicted outcomes at the level of detail and coverage appropriate to each specific decision-maker.

System	System Description	Owner
AMS	Asset Management System – Data warehouse for key data and models pertaining to asset management	Glen Ames
ATMS	Advanced Traffic Management System - Incident Management	Richard Manser
CARS	CARS (Central Accident Reporting System) - Maintain history	Robert Hull
Culverts	Research Project on culvert inventory and condition data	Mike Fazio
dTIMS	Pavement Management, Engineering Database	Gary Kuhl
Env. Services	Natural Resources Environmental Data Mapping	Paul West
ePM	Electronic Project Management	Dan Avila
FINET	FINET - Financial Information Network, T-91 Maint. Payroll	Marci Soper
GIS	ArcView, ArcInfo	Chris Glazier
Materials	Statewide materials database, all info relating to project level testing, independent assurance, and tech-lab-equip certification	Troy Peterson
MFI	Maintenance Features Inventory	Mike Marz
MMQA	Maintenance Management Quality Assurance	Vincent Liu
MMS	MMS-Mainframe - Maint of highways and right of ways	Mike Marz
Mobility	Statewide Mobility Database	Paul Vidmar
PCS	Pavement Condition - Maintain history of condition data	Russ Scovil
PDBS	PDBS - Tracks construction projects	Thom LeHolm
PFES	Plan for every section	David Blake
PhotoLog	Photolog - Maintain film images of all state roads	Bill Lawrence
Risk Mngmnt	Liability Analysis (Employee Accidents?)	Warren Grames
ROADS	ROADS - Mainframe System - Highway Inventory	Bill Lawrence
ROW	Right of Way - Location and inventory	Lyle McMillan
Structures	Structures (Bridge) Inventory (PONTIS) - Locate Bridges	Dave Eixenberger
TRAFFIC	Traffic Analysis - Maintain history of volumes	Lee Theobald